Standards-Based Best Practices AZ Academic Standards Unit

Arizona Department of Education February 23, 2009

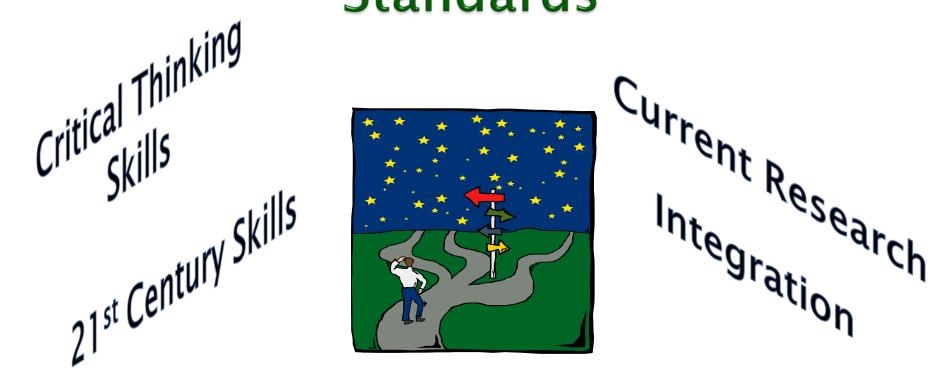
Overarching Goals

- Provide leadership in the revision of the AZ Academic Standards
- Provide support to teachers in implementing the AZ Academic Standards
- Offer data-driven and research-based professional development and technical assistance sessions
- Develop alternative delivery systems of support

Leadership

- Revision of Standards
 - Mathematics Standard
 - Language Arts Standard
 - Leadership Team: 29 members
 - Committee: 21 additional members
- > Arizona Mathematics Leadership Coalition
 - Establish and support statewide mathematics leadership network
- Presidential Awards for Mathematics and Science
 - > Coordinate state competition and recognition

Implications for Language Arts Standards



Programme for International Assessment
National Assessment for Educational Progress
American Diploma Project Benchmarks

Leadership

- Statewide Conferences
 - Arizona Association of Teachers of Mathematics
 - Arizona Science Teachers Association
 - Arizona Council for the Social Studies
- Professional Development
 - Districts
 - Counties
- National Conferences
 - Presentations
 - Planning Committees
 - Projects

Professional Development

- Mathematics (over 1300 participants)
 - ➤ 8 Introduction to the Mathematics Standard Sessions: 180 participants
 - ➤ 14 Overview Sessions of the Mathematics Standard: 412 participants
 - > 3 AZ Counts Conferences: 272 participants
 - ➤ 6 Grade Level Sessions (AATM): 33 participants
 - ➤ 15 Content Specific Sessions: 405 participants

Professional Development

- Science
 - 7 Sessions
 - > 154 participants
- Social Studies
 - ≥11 Sessions
 - >202 participants

Technical Assistance

- Mathematics Grade Level Documents
- Expansion of Learning Resource Manager (IDEAL)
 - Content-Rich Support Materials
 - >Trade Book Database
 - Social Studies Lessons
 - Additional Examples and Lessons Plans for 2008 Mathematics Standard
 - Align Thinkfinity Resources to Science Standard

Technical Assistance

- Statewide Partnerships/Committees
 - ➤Institute for Mathematics
 - Audubon Arizona/Arizona Environmental Literacy Plan
 - > Arizona Biosciences Roadmap
 - Arizona Historical Advisory commission
 - > Arizona Centennial Legacy Project
 - >Abraham Lincoln Bicentennial

Mathematics and Science Partnerships Program

- Authorized under No Child Left Behind Act of 2001, P.L. 107-110, under Title II, Part B
- Partners include
 - Mathematics, science, and/or engineering departments/faculty from Institutions of Higher Education
 - High need LEAs as shown by student achievement levels in mathematics or science

Mathematics and Science Partnership Projects 2007-2008

- > 19 Projects 10 counties served
 - 8 Science and Literacy
 - > 4 Science
 - 7 Mathematics
- 876 teachers completed professional development
 - > 75% showed significant gains in science/mathematics knowledge
 - 93,770 hours of professional development
 - 24,904 students taught by participating teachers

Mathematics and Science Partnership Projects 2007-2008

- 21 Partnering Institutions of Higher Education
 - > 78 staff members involved in planning and delivery of professional development
- 164 Partnering schools and school districts
- In 2008, 11 projects were approved for continuation and 3 new projects were funded

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